

# Search Report

## EIC 2800

STIC Database Tracking Number: 262571

To: HIEN NGUYEN  
Location: JEF-7D15  
Art Unit: 2824  
Thursday, June 05, 2008

Case Serial Number: 09/783,183

From: DIANE JACKSON  
Location: EIC2800  
JEF-4B68 / JEF-4B68  
Phone: (571)272-3260

diane.jackson@uspto.gov

### Search Notes

Attached are litigation search results in Lexis Nexis, and CourtLink and Questel-Orbit.

No Litigation was found for Serial Number 09/783183.

If you have any questions, please feel free to contact me.

Thanks,

Diane

New litigation  
Search



Selected file: PLUSPAT

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RELOADED 02/2008 Comprehensive Worldwide Patents database

Individual records for each Country or Patent Office

Coverage: 78 patenting authorities; start dates vary from 1800 forward

Abstracts/Titles in English , French & German. Increased  
standardization

of Assignee/Inventor names. Added cited ref's BE , CH , NL , TR , AU ,  
& JPB

For PlusPat Fact Sheet , Pricing and FAQ , see the Questel website

Last update of file: 2008/05/30 (YYYY/MM/DD) 2008-22/UP (last update)

Search statement 1

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nbr /pn us6166952

PLUSPAT1 US6166949	1
PLUSPAT2 US616695	1
PLUSPAT3 US6166950	1
PLUSPAT4 US6166951	1
PLUSPAT5 US6166952	1
PLUSPAT6 US6166953	1
PLUSPAT7 US6166954	1
PLUSPAT8 US6166955	1
PLUSPAT9 US6166956	1
PLUSPAT10US6166957	1
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PLUSPAT12US6166959	1
PLUSPAT13US616696	1
PLUSPAT14US6166960	1
PLUSPAT15US6166961	1

Some: numbers / Continue: Y / None: N

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\*\* SS 1: Results 1

Continue: Y / N

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prt full legalall max

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☐ 1 / 1 PLUSPAT -  
Worldwide Patents - ©Questel



US6166952 (A) Read-only memory having specially output circuits and word line connected...

PN US6166952 A 20001226 [US6166952]

TI (A) Read-only memory having specially output circuits and word line connected to a group of memory cells

PA (A) INFINEON TECHNOLOGIES AG (DE).

PA0 Infineon Technologies AG, Munich [DE]

IN (A) SEDLAK HOLGER (DE)

AP US9357398 19980608 [1998US-0093573]

FD Cont. of 19961121 []

PR DE19545557 19951206 [1995DE-1045557]

WODE9602241 19961121 [1996WO-DE02241]

IC (A) G11C-016/04

ICAA G11C-016/04 [2006-01 A - I R M EP]

G11C-017/12 [2006-01 A - I R M EP]

ICCA G11C-016/04 [2006 C - I R M EP]

G11C-017/08 [2006 C - I R M EP]

EC G11C-016/04F1

G11C-017/12

PCL ORIGINAL (O) : 365185050; CROSS-REFERENCE (X) : 365185180

365185250

DT Basic

US5065364 [US5065364] 365185000

-US5249158 [US5249158] 365230030

-US5267196 [US5267196] 365185000

-US5337281 [US5337281] 365218000

-US5687117 [US5687117] 365185120

-US5768194 [US5768194] 365185330

-US5825688 [US5825688] 365185110

CT -US5945717 [US5945717] 257390000

-US5963478 [US5963478] 365185290

-EP0509184 Z1 [EP-509184]

-EP0561271 A2 [EP-561271]

-EP0627742 A2 [EP-627742]

-EP0637035 A1 [EP-637035]


-Patent Abstracts of Japan No. 5-28783 (Yamamoto), dated Jul. 24, 1991.

STG (A) United States patent

A read-only memory having a multiplicity of memory cells whose contents can be read out with appropriate addressing by word, bit and source lines.

AB The read-only memory is distinguished by the fact that the memory cells which can be addressed via an individual word line are divided into a multiplicity of groups, to each of which a separate common source line is assigned. Accordingly, a group-by-group read-out of the memory cells which

can be addressed via an individual word line is carried out.  
UP 2001-03

☐ 1 / 1 LGST - Legal   
Status - ©EPO

US6166952 20000710 US/ASAASSIGNMENTOWNER: SIEMENS  
AKTIENGESELLSCHAFT ZT GG VM POSTFACH...  
PN US6166952 A 20001226 [US6166952]  
AP US9357398 19980608 [1998US-0093573]  
20000710 US/AS-A  
ASSIGNMENT  
OWNER: SIEMENS AKTIENGESELLSCHAFT ZT GG VM POSTFACH  
22 16; EFFECTIVE DATE: 19980630  
ACT ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEDLAK,  
HOLGER;REEL/FRAME:010954/0986  
20030909 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20010214  
UP 2004-29

☐ 1 / 1 CRXX - US Claims  
Reassignments - ©CLAIMS/RRX

US6166952 20010214 REISSUE REQUESTEDISSUE DATE OF O.G.:  
20030909REISSUE REQUEST NUMBER...  
AN 3438618  
PN 6,166,952 A 20001226 [US6166952]  
PA Infineon Technologies AG DE  
PT E (Electrical)  
20010214 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20030909  
REISSUE REQUEST NUMBER: 09/783183  
ACT EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2824

Reissue Patent Number:

UP 2003-37  
UACT 2003-09-09

Search statement 2

Selected file: FAMPAT

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RELOADED 02/2008 Searchable bibliographic & abstracts-all family members

Search & display options for both FamPat & extended family definition  
Coverage: 78 patenting authorities; start dates vary from 1800 forward  
Abstracts/Titles in English , French & German. Increased standardization

of Assignee/Inventor names. Added cited ref's BE , CH , NL , TR , AU , & JPB

For more details , see the FamPat Fact Sheet and Questel website

Last update of file: 2008/05/30 (YYYY/MM/DD) 2008-22/UP (last update)

Search statement 1

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nbr /pn us6166952

FAMPAT1 US6166949	1
FAMPAT2 US616695	1
FAMPAT3 US6166950	1
FAMPAT4 US6166951	1
FAMPAT5 US6166952	1
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FAMPAT12US6166959	1
FAMPAT13US616696	1
FAMPAT14US6166960	1
FAMPAT15US6166961	1

Some: numbers / Continue: Y / None: N

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Search 1 - 5 - 1

\*\* SS 1: Results 1

Continue: Y / N

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☐ 1 / 1 FAMPAT - Patent  
Families - ©Questel



DE19545557 READ-ONLY MEMORY AND METHOD OF COMMANDING  
SAME

FAN 20042781480118

DE19545557 A1 19970612 [DE19545557]  
WO9721225 A2 19970612 [WO9721225]  
WO9721225 A3 19970814 [WO9721225]  
EP0882294 A2 19981209 [EP-882294]  
CN1203687 A 19981230 [CN1203687]  
JP2000501221 T 20000202 [JP2000501221]  
PN EP0882294 B1 20000308 [EP-882294]  
AT190427 T 20000315 [ATE190427]  
DE59604631 D1 20000413 [DE59604631]  
ES2144284 T3 20000601 [ES2144284]  
US6166952 A 20001226 [US6166952]  
RU2190885 C2 20021010 [RU2190885]  
CN1106646 C 20030423 [CN1106646C]  
IN190574 A1 20030809 [IN-190574]

TI READ-ONLY MEMORY AND METHOD OF COMMANDING SAME  
INFINEON TECHNOLOGIES AG

PA SEDLAK HOLGER  
SIEMENS AG

PA0 SIEMENS AKTIENGESSELLSCHAFT; Wittelsbacherplatz 2; 80333  
München (DE)

IN SEDLAK HOLGER

1995DE-1045557 19951206  
1998RU-0112272 19961121  
1996ES-0945894 19961121  
1996DE-5004631 19961121  
AP 1996JP-0520857 19961121  
1996AT-0945894 19961121  
1996CN-0198868 19961121  
1996WO-DE02241 19961121  
1996EP-0945894 19961121  
1996IN-CA02090 19961204

1998US-0093573 19980608  
 (US6166952)  
 FD Cont. of 19961121 ☐  
 1995DE-1045557 19951206  
 PR 1996DE-5004631 19961121  
 1996WO-DE02241 19961121  
 G11C-011/34  
 G11C-016/04  
 G11C-016/06  
 IC G11C-017/08  
 G11C-017/12  
 G11C-017/14  
 G11C-017/18  
 G11C-016/04 [2006-01 A - I R M EP]  
 ICAA G11C-016/06 [2006-01 A L I R M JP]  
 G11C-017/12 [2006-01 A - I R M EP]  
 G11C-017/18 [2006-01 A L I R M JP]  
 G11C-016/04 [2006 C - I R M EP]  
 ICCA G11C-016/06 [2006 C L I R M JP]  
 G11C-017/08 [2006 C - I R M EP]  
 G11C-017/14 [2006 C L I R M JP]  
 EC G11C-016/04F1  
 G11C-017/12  
 PCL ORIGINAL (O) : 365185050; CROSS-REFERENCE (X) : 365185180  
 365185250  
 DS (EP-882294)  
 AT CH DE ES FR GB IT LI  
 (WO9721225)  
 DS CN JP KR RU UA US  
 European patent : AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
 PT SE  
 (EP-882294)  
 CT Cited in the search report  
 -See references of WO 9721225A2

CT

-EP0627742 A2 [EP-627742]

-EP0637035 A1 [EP-637035]

-Patent Abstracts of Japan No. 5-28783 (Yamamoto), dated Jul. 24, 1991.  
(WO9721225)

Cited in the search report

CT -EP0637035(A1)(Cat. X)[EP-637035]

-EP0509184(A1)(Cat. X)[EP-509184]

-US5267196(A)(Cat. X)[US5267196]

-US5249158(A)(Cat. A)[US5249158]

-EP0561271(A2)(Cat. A)[EP-561271]

(DE19545557)

Cited in the search report

CT -US5337281(A)[US5337281]

-US5065364(A)[US5065364]

-JP 5-28783 A. In: Patents Abstracts of Japan, P-1557, Vol. 17, No. 314,  
15.6.93

(US6166952)

A read-only memory having a multiplicity of memory cells whose contents can be read out with appropriate addressing by word, bit and source lines.

AB The read-only memory is distinguished by the fact that the memory cells which can be addressed via an individual word line are divided into a multiplicity of groups, to each of which a separate common source line is assigned. Accordingly, a group-by-group read-out of the memory cells which can be addressed via an individual word line is carried out.

(US6166952)

The present invention relates to a read-only memory which has a multiplicity of memory cells whose contents can be read out with appropriate addressing by word, bit and source lines.

It is accordingly an object of the invention to provide a read-only memory and method for addressing the same which overcome the hereinafore-mentioned disadvantages of the heretofore-known products and methods of this general type, and where the reading out of data from the ROM can be carried out faster and with a reduced power consumption.

OBJ With the foregoing and other objects in view there is provided, in accordance with the invention, a read-only memory, including word lines, bit lines and source lines, each of the bit lines having a bit line potential; a multiplicity of memory cells connected to the word lines, the bit lines and the source lines, the memory cells having data contents and the data contents are read out with appropriate addressing of the word lines, the bit lines and the source lines, the memory cells are addressed by an individual word line; the memory cells are divided into a multiplicity of memory cell groups, each of the memory cell groups has a separate common source line, the memory cell groups forming a memory cell array; common data output lines; and connecting devices connected between the bit lines of the memory cells of the memory cell groups and the common data output lines for outputting the data contents stored in the memory cells, the connecting devices operating



under sole dependency on the bit line potential.

With the foregoing and other objects in view there is also provided, in accordance with the invention, a method for addressing a read-only memory having a multiplicity of memory cells storing data, word lines, bit lines, source lines, and common data output lines, the memory cells being divided into a multiplicity of memory cell groups, each of the memory cell groups having a separate common source line and the memory cell groups forming a memory cell array being addressed by the word lines, the bit lines and the source lines, which includes carrying out a group-by-group read-out of the memory cells being addressed via an individual word line.

(US6166952)

Each of the groups have a separate common source line, and group-by-group reading out of the memory cells which can be addressed via an individual word line are carried out.

ADB These measures make it possible to address, for the purpose of reading out, only those memory cells whose contents are actually intended to be outputted from the read-only memory.

This limited or partial reading capability has not been previously possible to date on account of the provision of only a single common source line for all the memory cells of the memory cell array (the discharge of the precharged bit lines could only take place in units of rows of the memory cell array).

(US6166952)

1. A read-only memory, comprising:

word lines, bit lines and source lines, each of said bit lines having a bit line potential;

a multiplicity of memory cells connected to said word lines, said bit lines and said source lines, said memory cells having data contents and the data contents being read out with appropriate addressing of said word lines, said bit lines and said source lines, said memory cells addressed by an individual word line;

said memory cells divided into a multiplicity of memory cell groups, each of said memory cell groups having a separate common source line, said memory cell groups forming a memory cell array;

ICLM common data output lines, each memory cell group connected to a respective one of said common data output lines; and

connecting devices connected between said bit lines of said memory cells of said memory cell groups and said common data output lines for outputting the data contents stored in said memory cells, each of said connecting devices for putting a potential that is on one of said bit lines onto one of said common data output lines at the beginning of a read cycle while said one bit line is discharging and for subsequently actively driving said one bit line.

18. A connection configuration, comprising:


a bus line and a bit line;

switches connected to a precharge line, said switches for switching said bus line to a first potential and said bit line to a second potential;

holding elements for holding potentials on said bit line and on said bus line,

when said bit line and said bus line have been precharged; and  
a further switch connected to said bit line for switching said bit line to a  
source line at said first potential and for switching said bus line to said  
second potential, when said bit line has been connected to the source line at  
said first potential.:

UP 2000-08

☐ 1 / 6 LGST - Legal   
Status - ©EPO

US6166952 20000710 US/ASAASSIGNMENTOWNER: SIEMENS  
AKTIENGESELLSCHAFT ZT GG VM POSTFACH...  
PN US6166952 A 20001226 [US6166952]  
AP US9357398 19980608 [1998US-0093573]  
20000710 US/AS-A  
ASSIGNMENT  
OWNER: SIEMENS AKTIENGESELLSCHAFT ZT GG VM POSTFACH  
22 16; EFFECTIVE DATE: 19980630  
ACT ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEDLAK,  
HOLGER;REEL/FRAME:010954/0986  
20030909 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20010214  
UP 2004-29

☐ 2 / 6 LGST - Legal  
Status - ©EPO

ES2144284 20000601 ES/FG2ATDEFINITIVE PROTECTIONPROTECCION  
DEFINITIVA(EP 882294 [EP88...  
PN ES2144284 T3 20000601 [ES2144284]  
AP ES96945894T 19961121 [1996ES-0945894]  
20000601 ES/FG2A-T  
ACT DEFINITIVE PROTECTION  
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(EP 882294 - [EP-882294] )  
UP 2003-22

☐ 3 / 6 LGST - Legal 

Status - ©EPO

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PN WO9721225 A2 19970612 [WO9721225]

WO9721225 A3 19970814 [WO9721225]

AP WODE9602241 19961121 [1996WO-DE02241]

19970612 WO/AK [+]

DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED  
SEARCH REPORT

CN JP KR RU UA US

19970612 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A  
SUBSEQUENTLY PUBLISHED SEARCH REPORT

AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19970807 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO  
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19970814 WO/AK [+]

DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED  
SEARCH REPORT

CN JP KR RU UA US

19970814 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A  
SUBSEQUENTLY PUBLISHED SEARCH REPORT

AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19970910 WO/121

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19980602 WO/WWE [+]

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19980605 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:

JP 1997 520857A [1997JP-0520857]

19980608 WO/WWE [+]

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20030521 WO/WWG [+]  
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UP 2008-18

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AP DE59604631 19961121 [1996DE-5004631]  
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ERHOBEN WURDE  
UP 2003-22

☐ 5 / 6 LGST - Legal   
Status - ©EPO

DE19545557 19970612 DE/OP8A [+]REQUEST FOR EXAMINATION AS TO  
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PN DE19545557 A1 19970612 [DE19545557]  
AP DE19545557 19951206 [1995DE-1045557]  
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ZURUECKNAHME  
UP 2003-22

☐ 6 / 6 LGST - Legal   
Status - ©EPO

EP-882294 19981209 EP/AKA [+]DESIGNATED CONTRACTING

STATES: BENANNT VERTRAGSSTAATEN AT...

PN EP0882294 A2 19981209 [EP-882294]

EP0882294 B1 20000308 [EP-882294]

AP EP96945894 19961121 [1996EP-0945894]

19981209 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:

BENANNT VERTRAGSSTAATEN

AT CH DE ES FR GB IT LI

19981209 EP/17P-A [+]

REQUEST FOR EXAMINATION FILED

PRUEFUNGSANTRAG GESTELLT

EFFECTIVE DATE: 19980519

19990120 EP/17Q-A [+]

FIRST EXAMINATION REPORT

ERSTER PRUEFUNGSBESCHIED

EFFECTIVE DATE: 19981208

20000308 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:

BENANNT VERTRAGSSTAATEN

AT CH DE ES FR GB IT LI

20000308 EP/REF-A

CORRESPONDS TO:

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(AT 190427T 20000315 [ATE190427])

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20000315 EP/REG-A; CH/NV

CH: NEW AGENT

CH: NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI

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REPRESENTATIVE: SIEMENS SCHWEIZ AG

20000413 EP/REF-A

CORRESPONDS TO:

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IT: TRANSLATION FOR A EP PATENT FILED

IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO

OWNER: STUDIO JAUMANN P. & C. S.N.C.

20000601 EP/REG-A; ES/FG2A

ES: DEFINITIVE PROTECTION

ES: PROTECCION DEFINITIVA

(ES 2144284T3 [ES2144284])

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20010221 EP/26N-A [+]  
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PAYMENT DATE: 20071120; PAYMENT YEAR: 12

UP 2008-20

☐ 1 / 1 CRXX - US Claims  
Reassignments - ©CLAIMS/RRX

US6166952 20010214 REISSUE REQUESTEDISSUE DATE OF O.G.:

20030909REISSUE REQUEST NUMBER...

AN 3438618

PN 6,166,952 A 20001226 [US6166952]

PA Infineon Technologies AG DE

PT E (Electrical)

20010214 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20030909

REISSUE REQUEST NUMBER: 09/783183

ACT EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2824

Reissue Patent Number:

UP 2003-37

UACT 2003-09-09



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093573 (09) 6166952 December 26, 2000

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

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December 26, 2000

Read-only memory having specially output circuits and word line connected to a group of memory cells

**REISSUE:** February 14, 2001 - Reissue Application filed Ex. Gp.: 2824; Re. S.N. 09/783,183 (O.G. September 9, 2003)

**INVENTOR:** Sedlak, Holger - Munchen, Germany (DE)

**APPL-NO:** 093573 (09)

**FILED-DATE:** June 8, 1998

**GRANTED-DATE:** December 26, 2000

**PRIORITY:** December 6, 1995 - 19545557, Germany (DE)

**ASSIGNEE-PRE-ISSUE:** July 10, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SIEMENS AKTIENGESSELLSCHAFT ZT GG VM POSTFACH 22 16 34MUNCHEN, (1)80506, Reel and Frame Number: 010954/0986

**ASSIGNEE-AT-ISSUE:** Infineon Technologies AG, Munich, Germany (DE), Foreign company or corporation (03)

**LEGAL-REP:** Lerner, Herbert L.; Greenberg, Laurence A.; Stermer, Werner H.

**PUB-TYPE:** December 26, 2000 - Utility Patent having no previously published pre-grant publication (A)

**PUB-COUNTRY:** United States (US)

**REL-DATA:**

Continuation of Ser. No. PCTDE9602241, November 21, 1996, PENDING

**US-MAIN-CL:** 365#185.05

**US-ADDL-CL:** 365#185.18, 365#185.25

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<u>or</u>	or
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<u>w/p</u>	in same paragraph
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 or      or  
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 pre /N      precedes by N words  
 w/p      in same paragraph  
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w/seg	in same segment
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